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TI Production of phenylene group-containing copolymers - comprising copolymerising phenylene group containing compounds with copolymerisable compounds in presence of catalysts containing transition metal compounds.

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PA (JAPS) NIPPON GOSEI GOMU KK

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The production of phenylene group-containing copolymers is claimed, which comprises copolymerising (a) at least 1 phenylene group-containing compounds of formula (I) and (b) copolymerisable compounds in the presence of (c) catalysts contg. transition metal cpds. X = -CYY'- (Y, Y' = halogenated alkyl, H or aryl) or fluorenylene; R1 - R8 = H, halogen, alkyl, halogenated alkyl, allyl or aryl; R9, R10 = halogen, -OSO2Z (Z = alkyl, halogenated alkyl or aryl).

USE - The copolymers are useful as electronic materials and optical materials.

ADVANTAGE - The copolymers have good heat resistance, processability and transparence, low dielectric property and are soluble in organic solvents.

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